

## CURRENT TRANSDUCER /W 0-5VDC OUTPUT

### FEATURES:

- ◆ Self powered
- ◆ 0-5V DC Output
- ◆ Low cost
- ◆ Compact size and easy wiring
- ◆ Wire mount or surface mount with included hardware



### APPLICATION:

The *i-Snail*<sup>®</sup>-VC offers an inexpensive method to monitor any AC electrical load.

This product is ideal as an AC load sensor for Control and Energy Management applications.

The built-in CT and self powered feature combine to make an easy to install, robust and accurate solution.

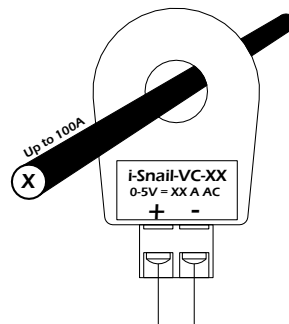
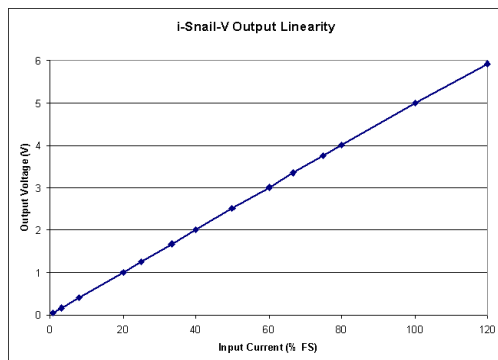
<b>Power</b>	Self powered by line current
<b>CT Wire Window</b>	13.7mm (0.540")
<b>Ranges</b>	Fixed 10A, 25A, 50A or 100A
<b>Output</b>	0-5 VDC, proportional to RMS input current (sine wave). Clamped at approx 6.5V Linear to 120% overload (continuous) 200A overload (temporary)
<b>Accuracy</b>	Better than 0.5% of full scale Ripple less than 0.1% of output
<b>Enclosure</b>	L=2.5", W=1.6", H=0.9" (including terminal block) UL94V-0 ABS Plastic
<b>Terminal Block</b>	Barrier Strip. Accepts up to 12-26AWG
<b>Dielectric withstand</b>	2.5 kVRMS for 1 minute

### PRODUCT DESCRIPTION:

The *i-Snail*<sup>®</sup>-VC is a self powered AC current transducer that provides a 0-5V dc analog signal proportional to the AC current flowing through the device wire window (sine wave RMS calibrated). This product is functionally identical to the *i-Snail*-V, but features a wire mount enclosure for smaller size and lower cost.

The *i-Snail*<sup>®</sup>-VC is ideal for load monitoring without the need for an external power supply. Factory calibrated, fixed ranges ensure superior accuracy and eliminate configuration and adjustments in the field, saving time and avoiding confusion. Color coded labels allow for easy identification of full scale range.

The 13.7mm (0.540") wire window accommodates a conductor up to AWG #2. Multiple turns of the primary wire may be used to alter the input range. Output voltage is clamped at 6.5V, and the unit delivers a linear output up to 120% overload (6V).



Linear, Proportional 0-5Vdc



Mounting hardware for flexible surface mounting

### ORDERING DETAILS:

Part Number	Full Scale Current
<b>i-Snail-VC-10</b>	<b>10A</b>
<b>i-Snail-VC-25</b>	<b>25A</b>
<b>i-Snail-VC-50</b>	<b>50A</b>
<b>i-Snail-VC-100</b>	<b>100A</b>